

Unexamined Japanese Utility Model Application Publication SHO 59-115446

The present invention provides a shredder for shredding document, etc having none of the above-described problems, characterized in that a pair of tapered cutter rollers each having cutters on an outer periphery thereof are disposed such that a reduced diameter portion of one of the pair of tapered cutter rollers coincides with an enlarged diameter portion of the other of the pair of tapered cutter rollers and vice-versa and such that opposing surfaces of the pair of tapered cutter rollers are in parallel to each other in a casing, a shredded material carrying conveyer for receiving and carrying shredded pieces is provided under both of the cutter rollers, non-shreddable material carrying conveyers are provided under respective ends of both of the cutter rollers. In this structure, document, etc. which were placed onto the cutter controllers, forced to rotate because there is a difference in peripheral speed between the reduced diameter portion of one of the pair of tapered cutter rollers and the enlarged diameter portion of the other of the pair of tapered cutter rollers, raveled out and shredded into pieces by the cutters on the cutter rollers, and the shredded pieces are dropped onto the shredded material carrying conveyer and conveyed. Nails, etc. remaining on the cutter rollers, i.e., non-shreddable materials, are progressively carried toward the ends of the cutter rollers and dropped down onto the non-shreddable material carrying conveyers. This allows non-shreddable materials such as nails, etc. to be removed without shredding them, eliminates the need of powerful machine, extends the life span of the cutters, and lowers the costs. Since shredded materials are separated from non-shreddable materials, there exists no problem of nails, etc. being left as residues within an incinerator after incineration, which is the case with prior art.

## ⑫ 公開実用新案公報 (U)

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審査請求 未請求

(全 2 頁)

## ⑮ 文書等の裁断装置

⑯ 実 願 昭58—6857

⑰ 出 願 昭58(1983)1月20日

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## ㉔ 実用新案登録請求の範囲

外周面にカツタを有する一对のテーパ状カツタローラをその小径部と大径部とが互いに対向するように配置すると共にその対向面が互いに平行になるようにケーシング内に配設し、両カツタローラの直下に裁断片を受け取つて搬送する裁断片搬送コンベアを配設し、両カツタローラの両端部の下方にそれぞれ裁断不可能物を受け取つて搬送する裁断不可能物搬送コンベアを配設したことを特

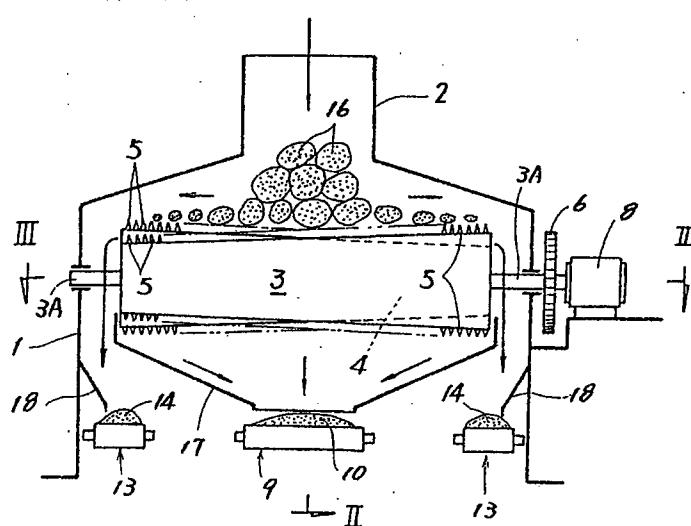
徴とする文書等の裁断装置。

## 図面の簡単な説明

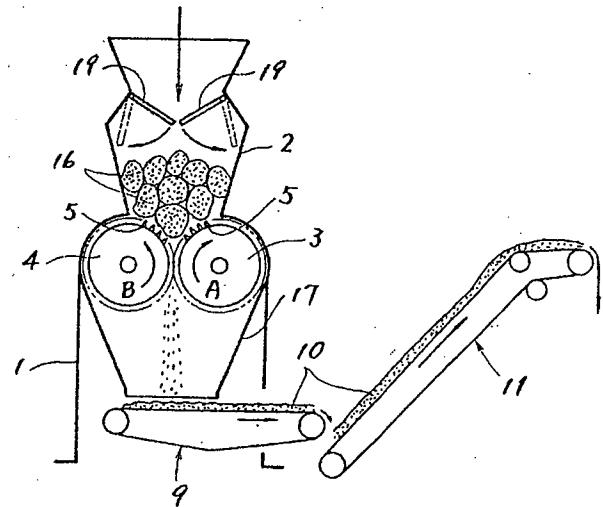
図は本考案の一実施例を示し、第1図は縦断面図、第2図は第1図のII-II矢視図、第3図は第1図のIII-III矢視図である。

1…ケーシング、3, 4…カツタローラ、5…カツタ、9…ベルトコンベア、10…裁断片、13…ベルトコンベア、14…裁断不可能物、16…被裁断物。

第1図



## 第2図



### 第3図

